

comprises a supplementary processing module able to run a predetermined software application further containing said initialization and marking information, the software application being run in synchronism and in interactive mode with the playing of the digital-television program thus recorded with the aid of said initialization and marking information.

2. (AMENDED) The device as claimed in Claim 1, wherein the supplementary processing module consists of Internet-type processing means suitable for cooperating with memory-storage means able to store an Internet browser serving for Internet browsing, and in that the receiver/decoder device further comprises a communications module able to communicate with a remote server according to an Internet-type communications protocol or the like.

3. (AMENDED) The device as claimed in Claim 2, wherein the communications module is able to download the software application originating from the remote server.

4. (AMENDED) The device as claimed in Claim 1, wherein it comprises a media player able to read a data medium containing the software application.

5.(AMENDED) The device as claimed in Claim 1, wherein it comprises means suitable for receiving the software application with the digital-television stream.

6. (AMENDED) The device as claimed in claim 1, wherein the execution module is suitable for launching the playing of the digital sequences relating to the chosen television program and the running of the software application on the same visual-display module.

7. (AMENDED) The device as claimed in claim 1, wherein it further comprises man/machine interface means, the actuation of which allows the user to interact simultaneously and in synchronism in the playing of the recorded television program and in the running of the Internet application.

8. (AMENDED) The device as claimed in claim 2, wherein the Internet processing means are suitable for cooperating with the visual-display module as well as the man/machine interface means of the receiver/decoder device.

9. (AMENDED) The device as claimed in Claim 8, wherein the demultiplexer/extractor module is able to extract the initialization and marking information of the television program and to send it to the Internet processing means so as, at the request of the user, to allow running of the Internet application in local mode and/or in cooperation with the remote server, in synchronism with the playing of the recorded television program.

10. (AMENDED) The device as claimed in Claim 2, wherein the Internet processing means are suitable, in cooperation with the processing means of the receiver/decoder, for driving the record/replay module.

11. (AMENDED) The device as claimed in Claim 10, wherein the Internet processing means are suitable for delivering, to the record/replay module, commands of the stop, pause, pause start, start, slow, fast forward, rewind, jump forward, jump back, etc, type.

12. (AMENDED) The device as claimed in claim 1, wherein it further comprises an image-composition module suitable for receiving the video images output by the decoder module as well as the graphics images output by the Internet processing means, so as to combine them according to a chosen image-composition mode.

13. (AMENDED) The device as claimed in Claim 12, wherein the image-composition mode is of overprint, multi-windowing, text, image-combining type.

14. (AMENDED) The device as claimed in Claim 12, wherein the image-composition module comprises:

- a first memory suitable for containing the video images output by the decoder module;
- a second memory suitable for containing the graphics information output by the Internet processing means;

- a third memory suitable for containing an image-composition program;
- image-processing means suitable for extracting the chosen information from the first and second memories depending on the composition program, so as to produce the composite images;
- a module for synchronization of the visual-display module, so as to synchronize the composition of images output by the two memories.

15. (AMENDED) The device as claimed in claim 1, wherein it comprises an interface of serial type and/or an interface of high-throughput link type so as to connect peripheral equipment of the printer, video/camera system, audio suite or video peripheral type.

16. (AMENDED) A method of processing digital-television signals of the type comprising the following stages:

- a) receiving digital-television signals originating from a predetermined broadcast network and delivering a digital stream of television signals;
- b) extracting, from the digital stream, digital sequences relating to a chosen television program; and
- c) converting the digital sequences thus extracted into television signals compatible with a visual-display module,
- d) receiving initialization and marking information relating at least to the start and to the end of a chosen television program, as well as to the reception/extraction of the digital sequences relating to said chosen television program, and comparing it with the television digital stream originating from the demultiplexer/extractor module;
- e) in response to a positive comparison, causing the recording of the digital sequences relating to said chosen television program as well as the initialization and marking information, in the record/replay module, and
- f) at the request of a user, launching the playing of the digital sequences relating to said television program thus recorded, wherein it further comprises a prior step of implementing a software application able to contain, in addition, said initialization and marking information, and in that the playing step f is run in synchronism and in interactive mode with the running of the software application with the aid of the initialization and marking information.

17. (AMENDED) A software product for a digital-television receiver/decoder device, of the type comprising initialization and marking information relating at least to the start and to the end of a chosen digital-television program, as well as to the reception/extraction of the digital sequences relating to said chosen television program, said initialization and marking information being intended to be compared with a television digital stream, and, in the event of a positive comparison, said software product being able to cause the recording of the digital sequences relating to said chosen television program as well as the initialization and marking information, wherein said initialization and marking information is contained in a software application capable of being run in synchronism and in interactive mode with the playing of the digital-television program thus recorded with the aid of the initialization and marking information.

18. (AMENDED) The software product as claimed in Claim 17, wherein the software application is capable of being run on-line with a remote server.

19. (AMENDED) The software product as claimed in Claim 17, wherein the software application is capable of being contained on a data medium, and/or distributed by downloading.

IN THE ABSTRACT:

Please add the following Abstract.

--The digital television receiving/decoding device comprises a module for recording and reading the digital sequences of the digital television programs and a processing module using a software application containing initialization and marking information related to at least the beginning and the end of a chosen television program as well as to the reception/extraction of the digital sequences related to the chosen television program. The processing module receives the initialization and marking information from the software application, and compares them with the television digital stream coming from the demultiplexing/extracting module. The processing module commands, in answer to a